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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/647,332	09/27/2000	Yoshihisa Gonno	450106-02305	5400
20999 7590 04/20/2007 FROMMER LAWRENCE & HAUG 745 FIFTH AVENUE- 10TH FL. NEW YORK, NY 10151			EXAMINER USTARIS, JOSEPH G	
			ART UNIT 2623	PAPER NUMBER
SHORTENED STATUTORY PERIOD OF RESPONSE			MAIL DATE	DELIVERY MODE
3 MONTHS			04/20/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

<b>Office Action Summary</b>	<b>Application No.</b> 09/647,332	<b>Applicant(s)</b> GONNO ET AL.	
	<b>Examiner</b> Joseph G. Ustaris	<b>Art Unit</b> 2623	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 23 January 2007.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                     | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## **DETAILED ACTION**

### ***Response to Amendment***

1. This action is in response to the amendment dated January 23, 2007 in application 09/647,332.

### ***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-8 are rejected under 35 U.S.C. 102(e) as being anticipated by Wang (US006675385B1).

Regarding claim 1, Wang discloses a transmitting apparatus for transmitting contents data and corresponding meta data over a network (e.g. MPEG digital television network) (See Fig. 1; column 2 line 29).

The system includes: contents storing means (e.g. local database) for storing contents data (e.g. EPG data) and corresponding meta data (wherein the EPG data includes meta data, e.g. title, channel information, start time, and stop time of various programs) in a broadcast format (e.g. the format it is received in) (See Fig. 4; column 2 lines 55-61 and column 3 lines 55-61);

meta data schema storing means (e.g. the system generates HTML web pages of the EPG and stores the pages) for storing a meta data schema (e.g. the HTML) defining a data structure for the meta data that is compatible with a network transmission format (e.g. the HTML web pages of the EPG are compatible with the MPEG-2 transport stream) (See Fig. 4; column 3 line 62 – column 4 line 8, column 5 lines 5-10).

In order to generate the HTML web pages of the EPG, the system further includes: contents segmenting means (e.g. the EPG manager of the system generates sets of Web pages based on the EPG data) for segmenting the contents data (e.g. EPG data) and generating segmentation information (e.g. assigning each Web page a universal resource locator (URL)) of the contents data (See column 3 lines 62-66), the segmentation information (e.g. URL) identifying a particular segment of the contents data (e.g. Grid Guide Web Pages, the different programs from various channels) so that the particular segment of the contents data from different mediums (e.g. the different channels or Internet) may be identified with a same identifier (e.g. the URL for the Grid Guide Web Pages) (See Fig. 4; col. 4 lines 5-8 and col. 5 line 30 – col. 6 line 4);

meta data combining means (e.g. the EPG manager combines the meta data and the URLs into the web pages and then are stored) for combining the corresponding meta data and segmentation information (e.g. URLs) for the segmented contents data (e.g. the HTML web pages) (See Fig. 4; column 3 line 62 – column 4 line 8, column 5 lines 5-10).

In order to transmit the HTML web pages of the EPG over the network, the system also includes: contents converting means (e.g. the HTML web pages of the EPG are encoded into a MPEG-2 transport stream by the MPEG-2 encoder) for converting the segmented contents data (e.g. the HTML web pages of the EPG) into the network transmission format (e.g. MPEG-2 format) (See Fig. 1; column 1 lines 24-35, column 3 lines 55-61, and column 4 lines 9-15);

meta data converting means (e.g. the MPEG-2 encoder) for converting the meta data (e.g. from the EPG data) and segmentation data (e.g. URLs) from the broadcast format (e.g. the format the EPG data is received in) into the network transmission format (e.g. MPEG-2 format) (See Fig. 1; column 1 lines 24-35, column 3 lines 55-61, and column 4 lines 9-15);

meta data schema converting means (e.g. the MPEG-2 encoder) for converting the meta data schema (e.g. the HTML) into the network transmission format (e.g. MPEG-2 format) (See Fig. 1; column 1 lines 24-35, column 3 lines 55-61, and column 4 lines 9-15);

transmitting means for transmitting the converted meta data and segmentation information, the converter meta data schema, and the converted contents data in the network transmission format (e.g. MPEG-2 format) over the network (See Figs. 1-3).

Claim 2 contains the limitations of claim 1 and is analyzed as previously discussed with respect to that claim. Furthermore, the URLs also serve as the "identifier of the segmentation information", wherein it identifies all the web pages of the EPG that includes the "meta data". The URLs are assigned and stored with the web pages or

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"segmentation information storing means" as discussed above. The URLs are also encoded or "converted" or "segmentation information converting means" and transmitted down to the user over the network.

Regarding claim 3, the HTML web pages of the EPG are encoded or "converted" into an MPEG-2 transport stream or "represents the meta data schema in an MPEG system section format" (See column 4 lines 9-23).

Regarding claim 4, each MPEG packet that contains the HTML web pages of the EPG, that includes the "meta data" and URLs, is assigned a program information descriptor (PID) or is in "descriptor format" (See column 4 lines 9-30).

Regarding claim 5, Wang also discloses a system for receiving HTML web pages of the EPG in an MPEG digital TV system or "network". The set top box (STB) receives the HTML web pages of the EPG or "segmented contents data" that includes the "meta data" and URLs or "segmentation information", wherein the web pages are defined by HTML or "meta data schema" over the network (See Fig. 1). The HTML web pages are stored in memory or "meta data schema storing means" or "meta data storing means" (See Fig. 1 and 3; column 4 lines 41-50). The web browser of the STB performs the functions of the "meta data analyzing means" where it parses, layouts, and renders the HTML web pages of the EPG and the "contents reproduction controlling means" where it displays the HTML web pages of the EPG that includes the URL links to other web pages and the "meta data" as defined by the HTML (See Figs. 3-9). Furthermore, the meta data includes electronic program guide data converted for transmission from a broadcast transmission format (e.g. the format the EPG data is received in) into the

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network transmission format (e.g. MPEG-2 format) (See Fig. 1; column 1 lines 24-35, column 3 lines 55-61, and column 4 lines 9-15), and wherein the segmentation information (e.g. URL) identifying a particular segment of the contents data (e.g. Grid Guide Web Pages, the different programs from various channels) so that the particular segment of the contents data from different mediums (e.g. the different channels or Internet) may be identified with a same identifier (e.g. the URL for the Grid Guide Web Pages) (See Fig. 4; col. 4 lines 5-8 and col. 5 line 30 – col. 6 line 4).

Claim 6 contains the limitations of claims 1 and 5 and is analyzed as previously discussed with respect to those claims. Furthermore, the URLs also serve as the “identifier” to the “segmentation information”, wherein the URLs identifies and links all the web pages of the EPG that includes the “meta data”. The URLs are assigned and stored with the web pages or “segmentation information storing means” as discussed above in claim 5. The web browser of the STB performs the functions of the “meta data analyzing means” where it parses, layouts, and renders the HTML web pages of the EPG according to the HTML, where it places the “meta data” in the corresponding location on the web pages as well as placing the URL links to other web pages in the corresponding location on the web pages or “analyzing the stored meta data on the basis of the meta data schema, and the stored segmentation information on the basis of the identifier” (See Fig. 3-9).

Claim 7 contains the limitations of claims 2 and 3 and is analyzed as previously discussed with respect to those claims.

Claim 8 contains the limitations of claims 2 and 4 and is analyzed as previously discussed with respect to those claims.

### ***Response to Arguments***

3. Applicant's arguments filed January 23, 2007 have been fully considered but they are not persuasive.

Applicant argues with respect to claims 1-8 that Wang does not disclose that the segmentation information identifies a particular segment of the contents data so that the particular segment of contents data from different mediums may be identified with the same identifier. However, reading the claims in the broadest sense, Wang does meet this limitation of the claims. As discussed above in the rejection, Wang discloses that the segmentation information (e.g. URL) identifies a particular segment of the contents data (e.g. Grid Guide Web Pages, the different programs from various channels) so that the particular segment of the contents data from different mediums (e.g. the different channels or Internet) may be identified with a same identifier (e.g. the URL for the Grid Guide Web Pages) (See Fig. 4; col. 4 lines 5-8 and col. 5 line 30 – col. 6 line 4).

Furthermore, applicant argues that Wang's conversion of the EPG data into discrete EPG web pages destroys the relationship between the content and the corresponding meta data. However, this is not true. Wang discloses that the EPG web pages maintain the relationship between the content (e.g. EPG data) and the corresponding meta data (e.g. title, channel information, start time, and stop time of various programs) as shown in Fig. 4.



Applicant is reminded that although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993).

### **Conclusion**

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph G. Ustaris whose telephone number is 571-272-7383. The examiner can normally be reached on M-F 7:30-5 PM; Alternate Fridays off.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christopher S. Kelley can be reached on 571-272-7331. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



JGU

April 13, 2007



SCOTT E. BELIVEAU  
PRIMARY PATENT EXAMINER